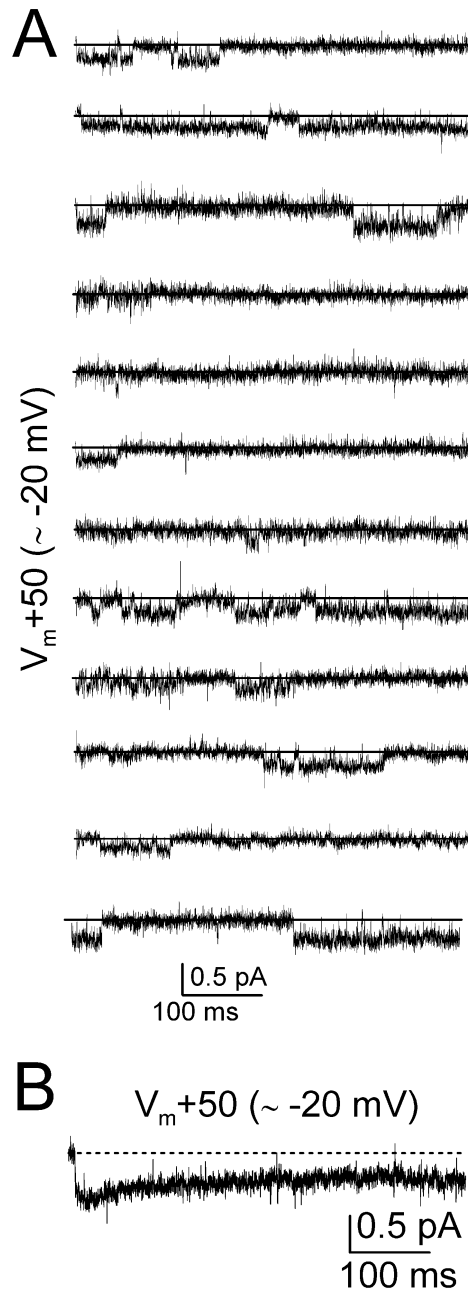


**Burst activity and ultrafast activation kinetics of  $\text{Ca}_v1.3$   $\text{Ca}^{2+}$  channels support presynaptic activity in adult gerbil hair cell ribbon synapses**

Valeria Zampini, Stuart L. Johnson, Christoph Franz, Marlies Knipper, Matthew C. Holley, Jacopo Magistretti, Sergio Masetto and Walter Marcotti

This document includes Supplementary Figure 1.

### Supplementary Figure 1



### Supplementary Figure 1. Single $\text{Ca}^{2+}$ channel currents.

**A**, Representative unitary  $\text{Ca}^{2+}$  currents near  $-20$  mV with mode 1 and mode 2, including those showed in Figure 3B. Recordings are from basal IHCs in a  $\text{Na}^+$ -based extracellular solution with  $5 \text{ mM } \text{Ca}^{2+}$  and  $5 \mu\text{M}$  BayK 8644. Grey horizontal lines indicate the channel closed state. **B**, Ensemble-averaged as shown in Figure 3C.